Cluster Errors

Error sources unrelated to cluster finding

- Uncertainty due to drift dynamics
- Electronic noise

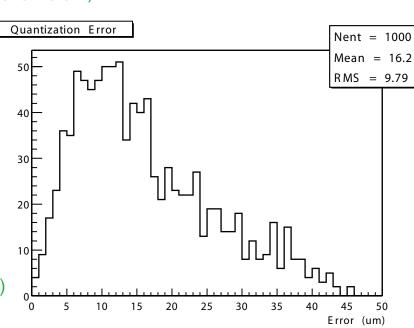
Error sources related to the cluster finding

- Quantization of charge, pads, timebins

(On the order of 15 um)

Shift of gaussian mean due to projection onto pad/timebin/charge grid for average hit on outer padrow

```
(q = 250 adc
prf = .48 cm
zrf = .90 cm
pad separation = .67 cm
time bin separation = .10 cm)
```



- Resolution of pads, timebins

(pad/64 ~ 100 um outer padrows) (pad/64 ~ 50 um inner padrows) (timebucket/64 ~ 15 um)

- Non-gaussian hit shapes
- Deconvolution

(Repulsion of deconvoluted hits: afterburner?)